

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635323

Luminaire Tested: GWS-SA3D-750-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635323  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-750-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

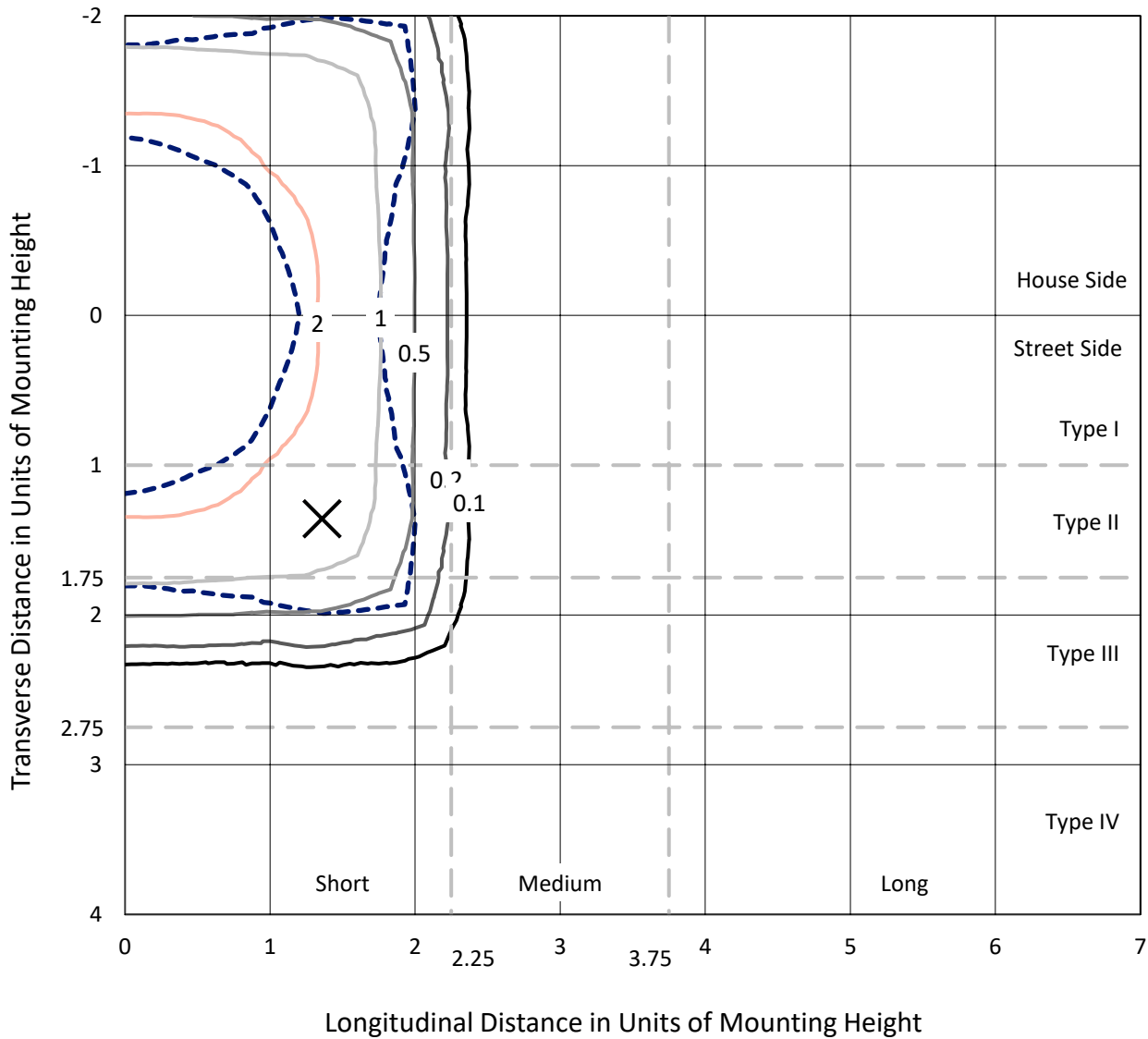
Lumens per Lamp: N/A  
Luminaire Lumens: 18815.1 lumens  
Efficiency: N/A  
Efficacy: 155.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

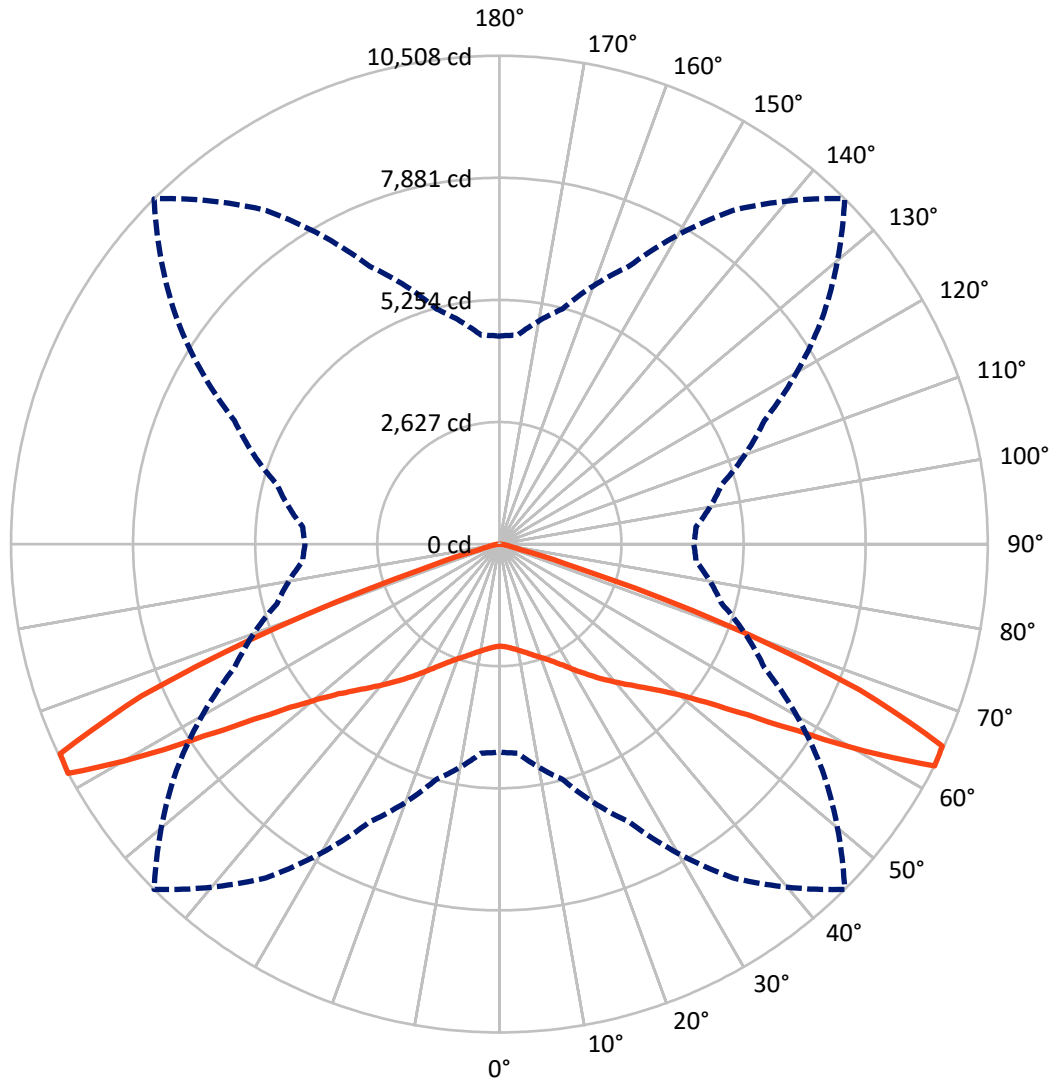
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9407.6	0.0	9407.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9407.6	0.0	9407.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18815.1	0.0	18815.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.4	1.1
10°-20°	694.5	3.7
20°-30°	1313.9	7.0
30°-40°	2211.5	11.8
40°-50°	3533.4	18.8
50°-60°	5695.6	30.3
60°-70°	4647.0	24.7
70°-80°	451.3	2.4
80°-90°	52.5	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	18815.1	100.0
0°-180°	18815.1	100.0

**Coefficient of Utilization**



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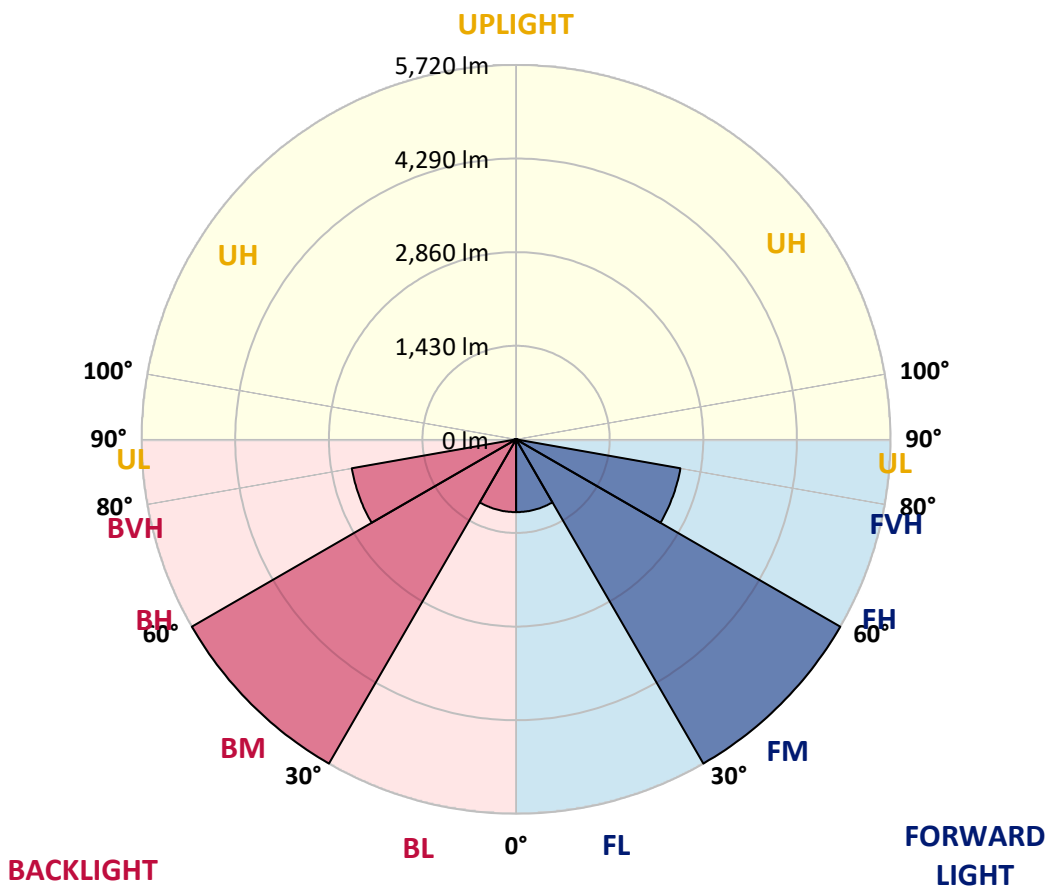
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1111.9	5.9			
FM (30°-60°)	5720.3	30.4			
FH (60°-80°)	2549.1	13.5			G2/5000
FVH (80°-90°)	26.3	0.1			G1/100
BL (0°-30°)	1111.9	5.9	B3/2500		
BM (30°-60°)	5720.3	30.4	B4/8500		
BH (60°-80°)	2549.1	13.5	B4/5000		G2/5000
BVH (80°-90°)	26.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2195.0	2195.0	2195.0	2195.0	2195.0	2195.0	2195.0	2195.0	2195.0	2195.0	2195.0
2.5°	2192.5	2192.5	2197.6	2201.5	2198.9	2209.2	2207.9	2205.4	2204.1	2200.2	2211.8
5°	2222.1	2222.1	2226.0	2229.9	2223.4	2236.3	2231.2	2228.6	2227.3	2222.1	2232.5
7.5°	2255.7	2259.6	2260.8	2267.3	2263.4	2277.6	2273.8	2268.6	2266.0	2259.6	2268.6
10°	2293.1	2295.7	2297.0	2308.6	2309.9	2326.7	2322.8	2316.3	2311.2	2304.7	2317.6
12.5°	2343.4	2344.7	2348.6	2362.8	2366.7	2379.6	2378.3	2369.2	2362.8	2353.8	2368.0
15°	2408.0	2409.2	2415.7	2429.9	2436.3	2451.8	2446.7	2432.5	2423.4	2413.1	2424.7
17.5°	2475.1	2480.2	2486.7	2500.9	2509.9	2528.0	2521.5	2506.0	2498.3	2488.0	2495.7
20°	2561.5	2562.8	2566.7	2582.2	2588.6	2609.3	2610.6	2595.1	2591.2	2580.9	2592.5
22.5°	2657.0	2658.3	2662.2	2678.9	2690.6	2703.5	2711.2	2702.2	2695.7	2682.8	2697.0
25°	2762.8	2775.7	2779.6	2800.3	2813.2	2820.9	2829.9	2826.1	2817.0	2801.5	2808.0
27.5°	2911.2	2913.8	2920.3	2943.5	2951.2	2959.0	2968.0	2969.3	2956.4	2938.3	2947.4
30°	3080.3	3079.0	3093.2	3111.2	3117.7	3124.2	3137.1	3144.8	3128.0	3108.7	3117.7
32.5°	3253.2	3268.7	3286.7	3303.5	3299.7	3302.2	3322.9	3337.1	3313.8	3279.0	3286.7
35°	3448.1	3458.4	3481.6	3506.1	3501.0	3497.1	3510.0	3524.2	3491.9	3446.8	3458.4
37.5°	3648.1	3663.6	3698.4	3728.1	3720.3	3702.3	3716.5	3731.9	3701.0	3649.4	3644.2
40°	3871.3	3895.8	3946.2	3970.7	3950.0	3915.2	3939.7	3977.1	3946.2	3886.8	3872.6
42.5°	4133.3	4163.0	4213.3	4250.7	4205.5	4148.8	4190.1	4244.3	4236.5	4157.8	4133.3
45°	4457.2	4476.5	4538.5	4556.5	4489.4	4410.7	4485.6	4568.2	4548.8	4463.6	4431.4
47.5°	4809.5	4839.1	4893.3	4926.9	4818.5	4720.4	4824.9	4935.9	4915.3	4835.3	4797.8
50°	5258.5	5297.2	5368.2	5396.6	5246.9	5134.7	5268.9	5409.5	5369.5	5262.4	5213.4
52.5°	5747.6	5778.6	5899.9	5956.7	5816.0	5694.7	5812.1	5950.2	5865.0	5723.1	5657.3
55°	6178.6	6209.6	6387.7	6576.1	6569.6	6485.7	6545.1	6547.7	6316.7	6081.8	6012.2
57.5°	6271.5	6302.5	6641.9	7134.8	7483.3	7580.0	7405.8	7039.3	6457.4	6045.7	5967.0
60°	5776.0	5810.8	6350.2	7251.0	8396.9	9043.4	8240.7	7029.0	6022.5	5465.0	5390.2
62.5°	4475.2	4512.7	5237.9	6590.3	8765.9	10508.0	8483.3	6289.6	4954.0	4248.1	4182.3
65°	2137.0	2137.0	3058.3	4726.9	8030.4	10473.2	7781.3	4653.3	2982.2	2290.5	2233.7
67.5°	529.1	531.7	787.2	1840.2	5462.4	8358.2	5551.5	2233.7	1050.4	743.3	723.9
70°	330.4	329.1	365.2	498.1	1911.1	5072.7	2269.9	673.6	427.1	376.8	374.2
72.5°	256.8	256.8	274.9	318.7	500.7	1727.9	662.0	374.2	309.7	278.7	278.7
75°	202.6	202.6	215.5	238.7	295.5	445.2	352.3	277.4	240.0	219.4	216.8
77.5°	151.0	153.6	163.9	179.4	201.3	250.3	223.2	209.1	187.1	171.6	166.5
80°	98.1	101.9	114.8	123.9	131.6	165.2	145.8	152.3	141.9	123.9	121.3
82.5°	52.9	54.2	69.7	72.3	74.8	90.3	92.9	96.8	100.7	78.7	73.6
85°	19.4	19.4	23.2	27.1	29.7	32.3	43.9	54.2	56.8	45.2	43.9
87.5°	3.9	3.9	3.9	2.6	2.6	2.6	7.7	14.2	23.2	18.1	18.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)